

The appropriate fee for entry of this submission after final rejection under 37 C.F.R. §1.129(a) is being filed concurrently herewith, along with a petition and fee for an appropriate extension of time.

In the Claims

Please cancel claim 35. / / /

Please amend claims 33, 36 and 37 as indicated below (All of the claims as amended are attached as Appendix A for the Examiner's convenience):

33. (Amended) A kit useful for facilitating the diagnosis of hypertrophic cardiomyopathy, comprising:

C 1 a first container holding an RNA probe completely hybridizable to the  $\beta$  cardiac myosin heavy chain DNA, wherein said RNA probe is capable of detecting a hypertrophic cardiomyopathy-associated mutation;

a second container holding primers useful for amplifying  $\beta$  cardiac myosin heavy-chain DNA; and

instructions for using the components of the kit to detect the presence or absence of a hypertrophic cardiomyopathy-associated mutation in amplified  $\beta$  cardiac myosin heavy-chain DNA for facilitating the diagnosis of hypertrophic cardiomyopathy.

C 2 36. (Amended) An isolated RNA probe comprising ribonucleotides arranged in a sequence which is complementary to at least a portion of  $\beta$ -cardiac myosin heavy-chain DNA, said probe useful for facilitating the diagnosis of hypertrophic cardiomyopathy by being capable of detecting [arranged in a sequence to detect] a hypertrophic cardiomyopathy-associated mutation.